

OTRPC4 ~~SECRET~~ L F ~~SECRET~~ R ~~SECRET~~ L ~~SECRET~~ I ~~SECRET~~ --- L ~~SECRET~~ N ~~SECRET~~ K V C D E D O S N C ~~SECRET~~ T Y P A

TM5

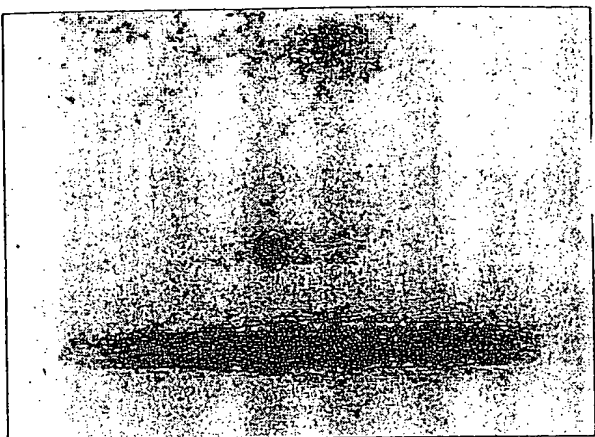
OTRPC4 C R D S E T - E S A F L M O W E K E T N G M H O R D I E M L S S A K V P V M A T E E T E M V E X M A T E N E S A N E M C E A

presumed pore region TM6

OTPC4 MOEENW GOWSKIESKHENKERO WATTEED IERSGPVFLPOMATEPSSGEINVTMRSKSISOGATTPBR

heart  
brain  
spleen  
lung  
liver  
skeletal muscle  
kidney  
testicle

7.5 —  
4.4 —  
2.4 —  
1.35 —



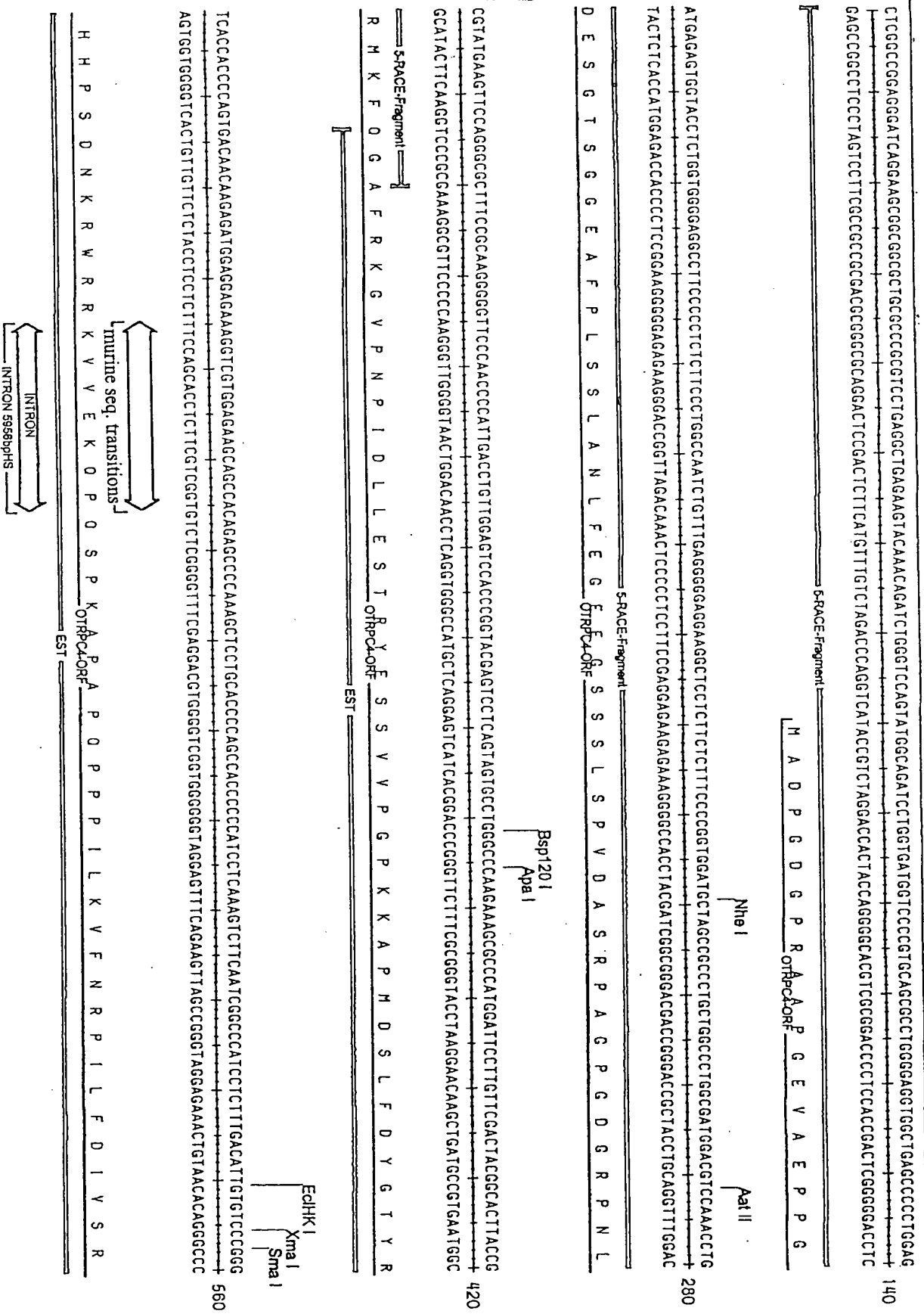


Fig. 2a (I)

Cfr101  
 GACACCATCCCGGTGTTGCTGGACATTGCGAGCGACCGGCAACATGCGTGAATTCACTCGCCCTTCGAGACATCTACTACCGAGGCCAGACATCCCTGCACATTGCCATCGAACGGCCCTGCAAGCATTACGT  
 CTGTGGTAGGGCCACAACGACCTTAACGCGCTCGCGGTGGCCGCTTGTACGCACTTAAGTAGTTGAGCGGGAAGTCTCTGTAGATGATGGCTCCGGTCTGTAGGAGCGTGTAAAGGTAGCTTGCCGCGACGTTGTGATGCA  
 BUC

GGAGCTGCTGGTGGCCCAAGGAGGCCACAGCTGCACGCCCCAGGCCCTTCTCCAGCCCAAGATGAGGGAGGCTACTTCTACTTTGGGAGCTGGCCCTTGTCGCAAGCTTGCACCAACAGCCGCATATCG  
CTTCGACGACCCACCGGGTCCCTTCGGCTGCACGTGGGGGTCCGGGGCCCGGCGAAGAGAGTCCGGTCTACTCCCTCGAGTGAAGATGAACCCCTCGACGGGAACAGGACCGTTCGGACGTGTTGGTCGGCGTATAGC

TCACTACTGACAGAGAACCCTCACAGAAGCTGACATGAGGCGACAGAGCTGAGAGGGGAAACACGGTGTGTCACGCGCTGGTGGCCATCGCCGAACAACCCGAGAGAACCAAGTTTGTACCAAGATGACGAC  
 AGTTGATGAGACTGCTCTTGGAGTGTCTTTTGACCTGACTTCGCTGCTGAGCTTCCCTTGTGCCAGCAGCTGGCGGACCAACCGGTAGCGGCTGTTGTGGCTCTCTTGTGTTCAAACAGTGGTTCTACATGCTG

Fig. 2a (II)

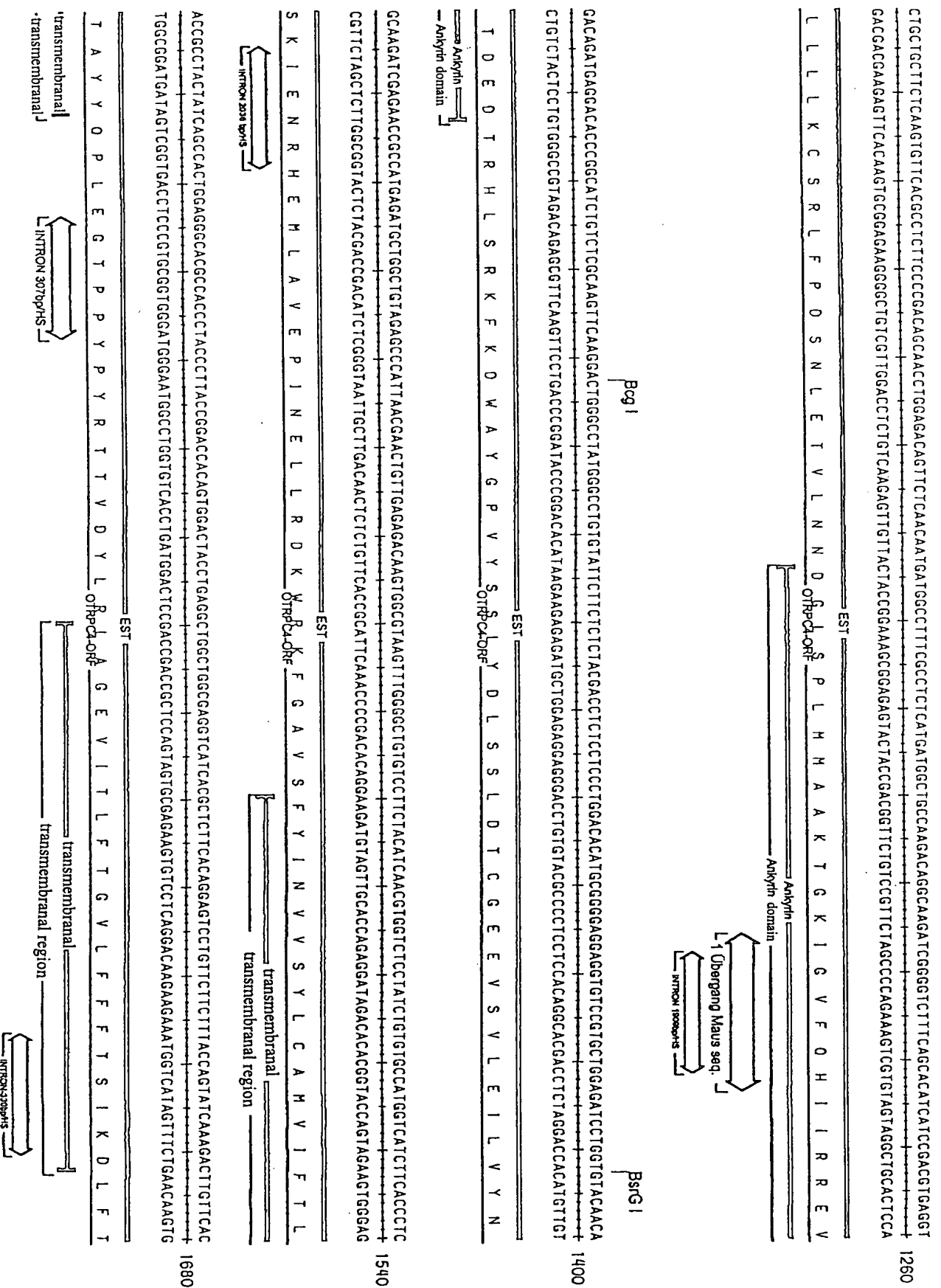


Fig. 2a (III)

CCCTGGTCTGGGCTGGATGTAATGGCTGTACTTCAACGGCGGGTTGAAGCTGACGGGACCTACAGCATCATGATTCAGAGATCCTCTCAAGAAGCTCTTCGGCTTCGCTGTGTACTGCTCTTCATGATCGGC  
GGAGCCAGACCCGACCTACTTACCGGAGATGAAGTGGCGGCCCACTTCGATGCCCTGGATGTGTAGTACTAAGTCTCTAGGAGAAGTTCTGGAGAAGCGGAAGACGACATGGAACGAGAAGTACTAGCCG

TATGCTCAGCCCTGGTGCACCTTCTGAAATCCGTGACCAACATGAGGCTGTGTACGAGGACCAAGCAACTGCCACGGTGCCTCCACGTAATCTTGCTGTCCGACAGCGAGACTTCAGGGCTTCTCTGTGACCTTT  
ATACGAGTTCGGACCAAGTGGGAGGACTTAGGCACCGTGGTTGTACTTCCAGACACTGCTCTGGTCTGTGTTGACGTGCCACGGGTGCATAGGAGCGACGGGGCTGTGCTCTGTGAAGTCCGGAAGGAGACTTGGAGAA 2100

CAAGCTCACCATTGGGCGATGGGAGACCTGGAGATGCTGAGCAGGCCCAAGTACCCCGTGGTCTCATCTCTCGTGGTACCTACATCATCTACCTTGGTGGCTCTGTTGACATGCTTATGGCCCATGGTGAGA  
GTTTGAGTGGTAGCCCGTACCCCTTGAGACCTTACGACTTCGTGGCGGTTCATGGGGCAGAGAGTAGGAGAGACAGTGAATGAGTGGAGTGAAGCAGAGACACTTGTACGAATAGCGGAGTACCCACTCT  
2240

K L T I G M G D L E M L S S A K Y P V V F OTFC D<sub>10</sub>F V T Y I I L L T F V L L L N M L I A L M G E

EST

transmembranal

transmembranal region

Fig. 2a (IV)

T V G O V S K E S K H I W K L O W A T T I L D R S F P V F L R K A F R S G E M V T V G K S

EST  
S O G T P D R R W C F R V D E V N W S H W N  
OFFPCLOFF  
G I I N E O P G K S E I Y O Y Y G F S H T V

EST  
S  
G R L R R D R W S S V V P R V V E L N K N S  
SofBo4-Ad  
D E V V V P L D N L G N P N C D G H O O G Y

APKWRITD  
OTPCORFAPL.]

ESI

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## TEST

## EST

**ES**

3280

EST

Fig. 2a (VI)

Fig. 2b

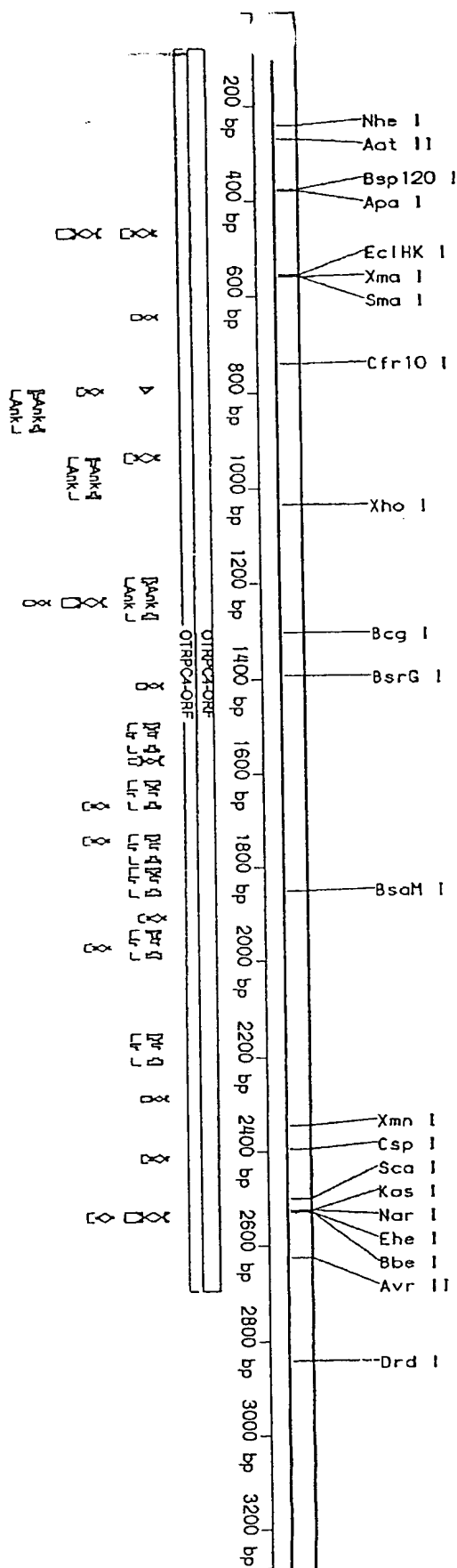




Fig. 3a

Mouse kidney, sagittal section



Mouse kidney, sagittal section

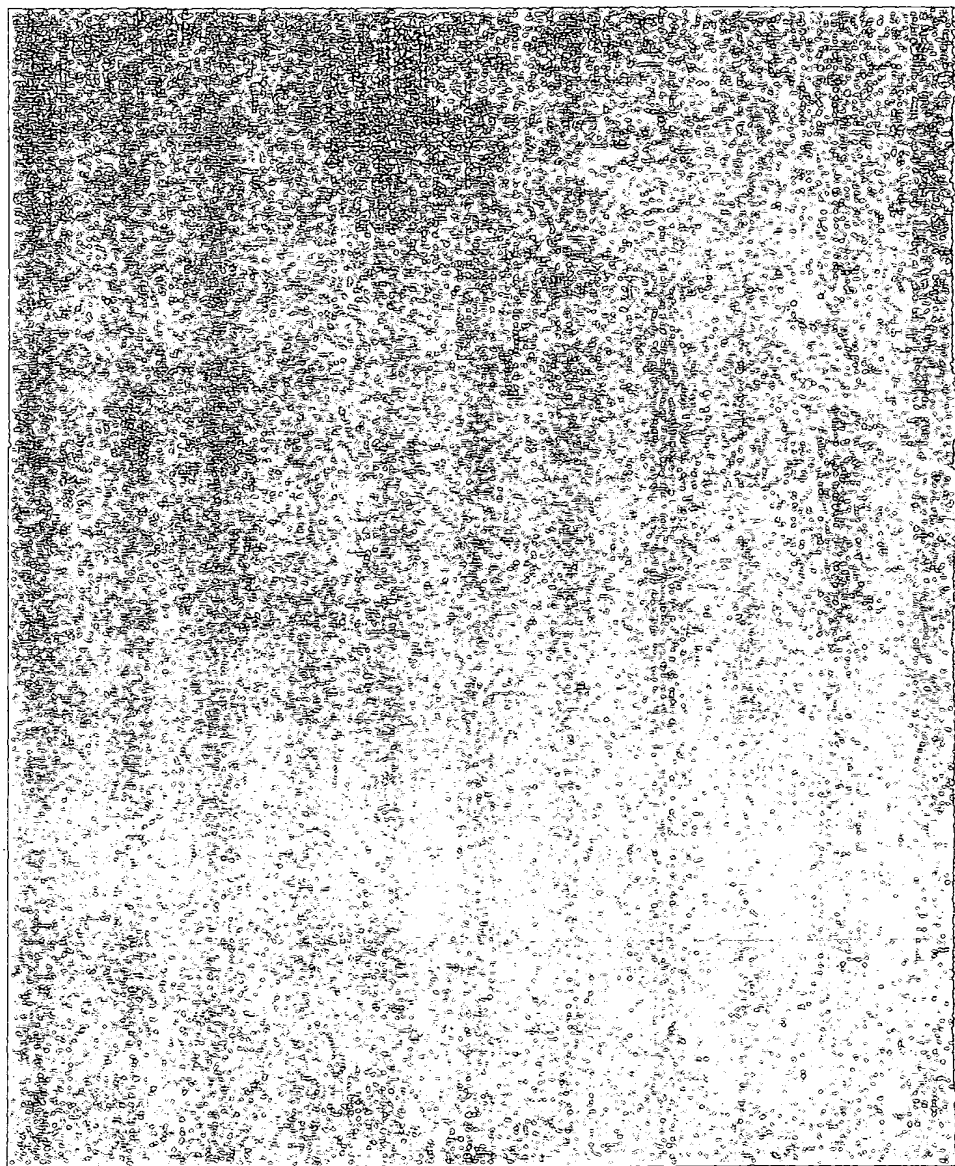


Fig. 3b

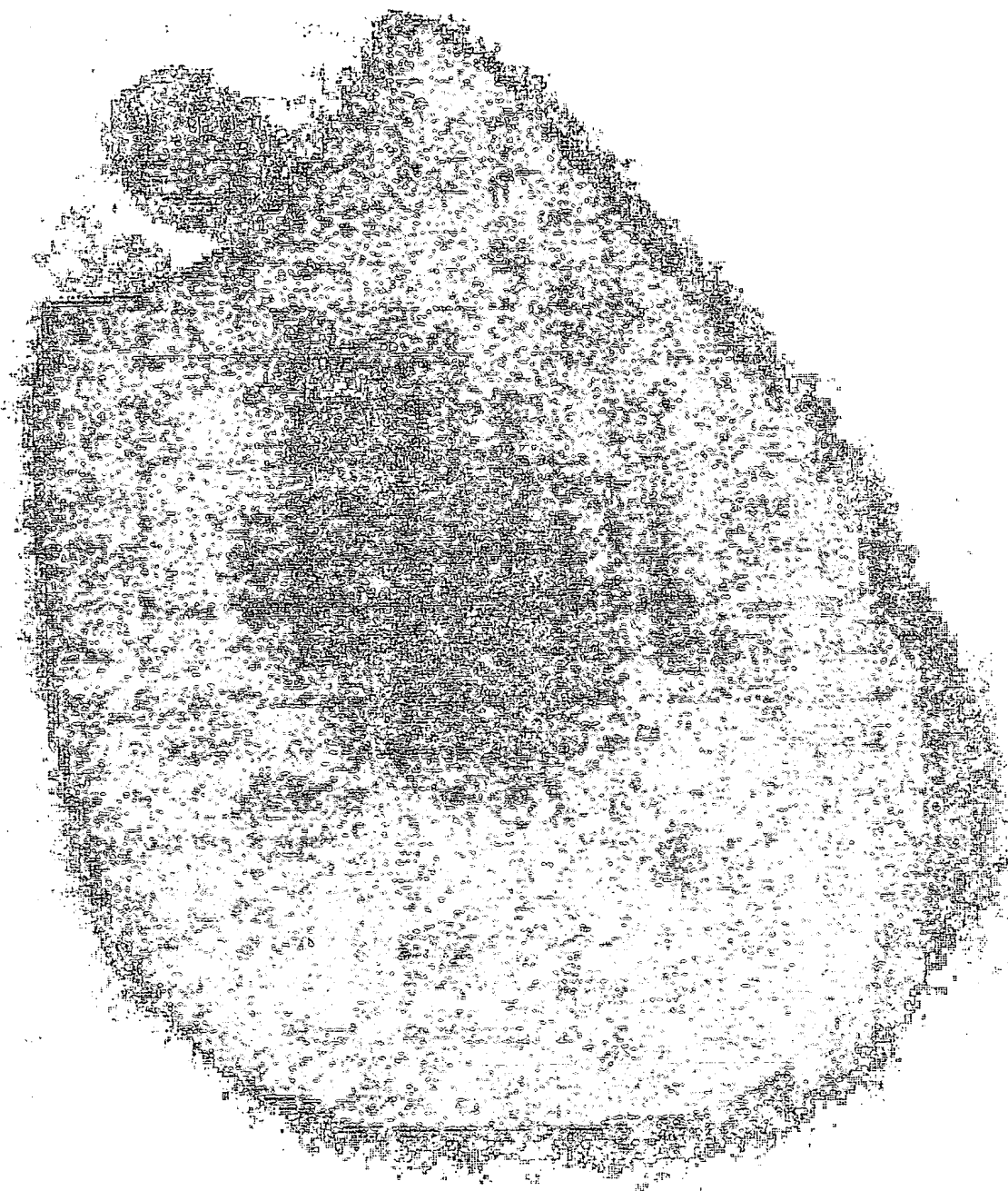
Mouse kidney, sagittal section



Fig. 3c

Fig. 3d

Mouse kidney, horizontal section

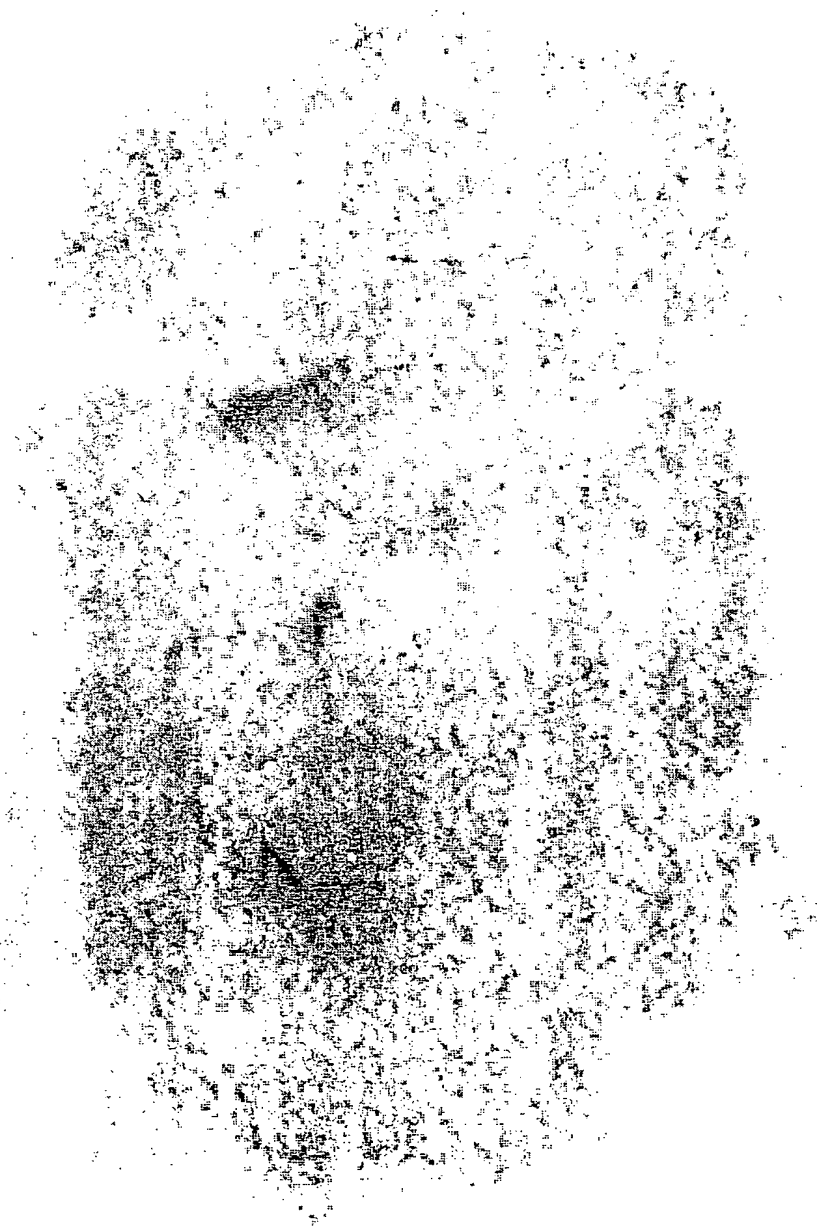


**Mouse brain, sagittal section**



**Fig. 3e**

**Mouse brain, coronary section**



**Fig. 3f**

**Mouse brain, horizontal section**



**Fig. 3g**



Mouse, choroid plexus



Fig. 3b



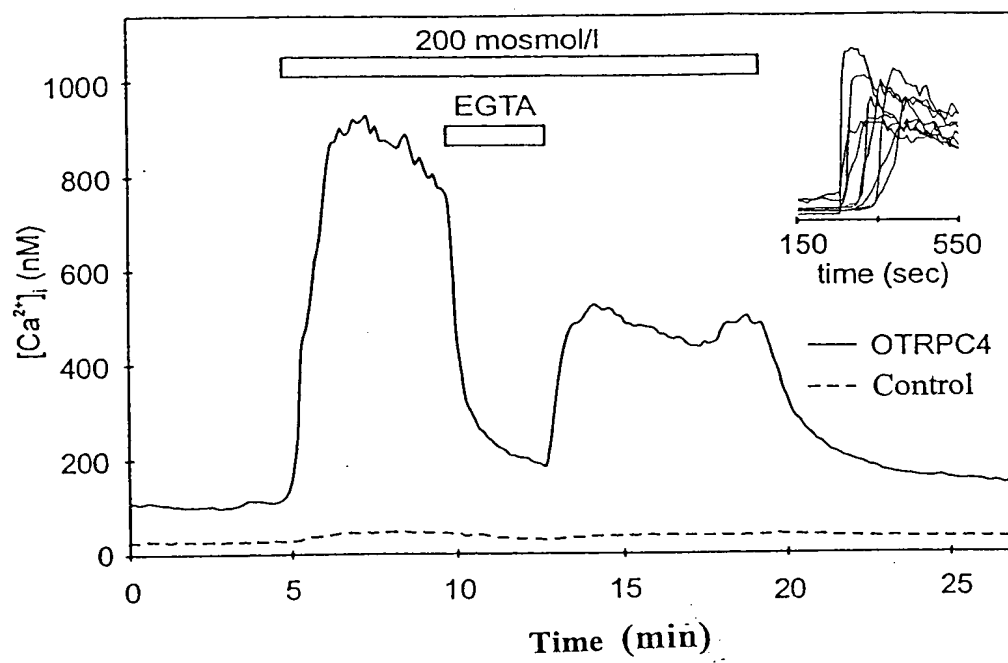


Fig. 4

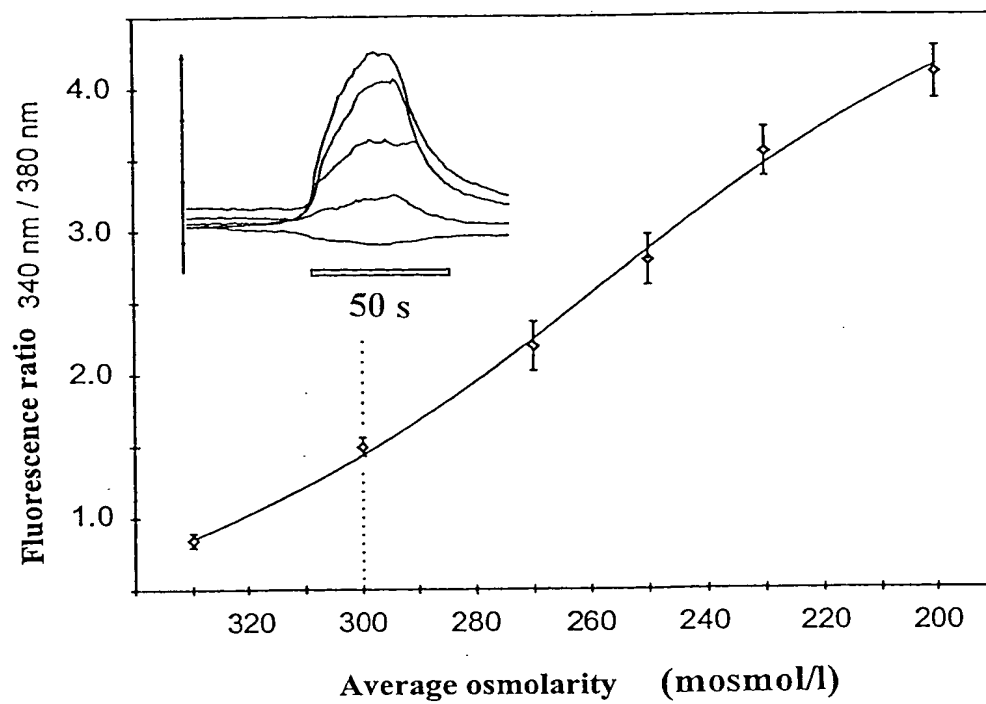


Fig. 5

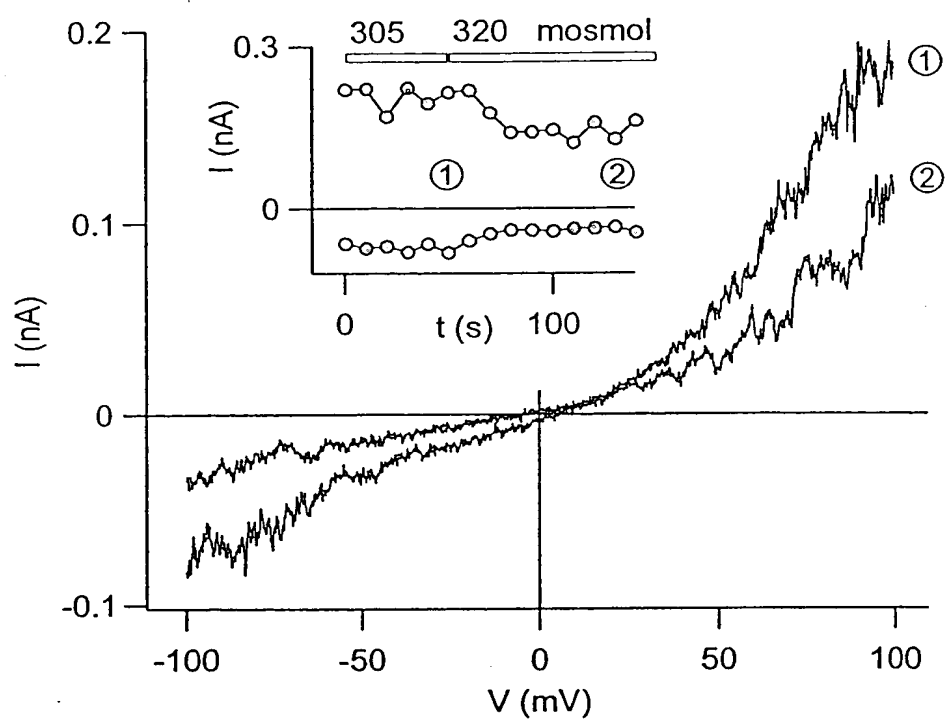


Fig. 6

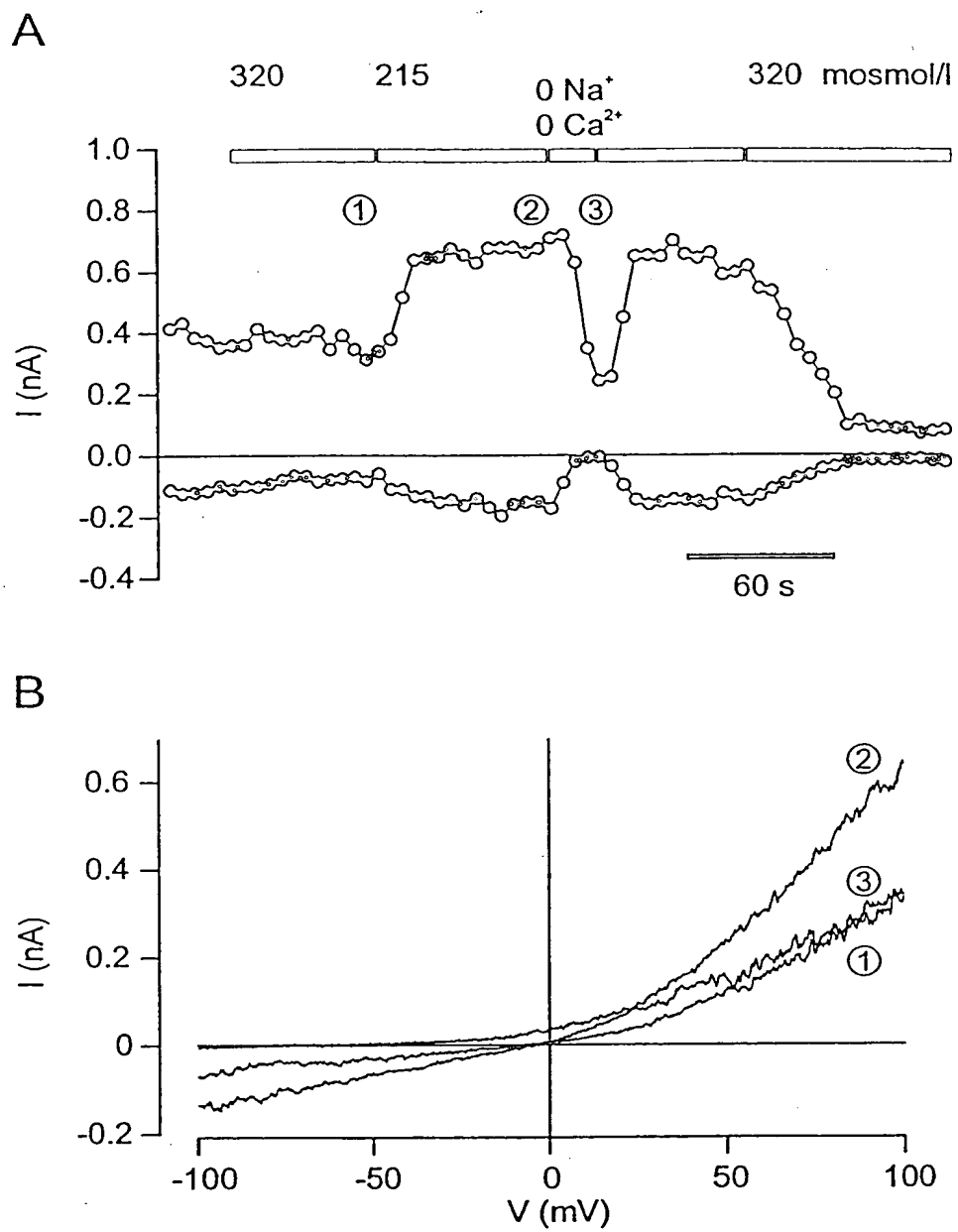


Fig. 7